

Meridian Energy – Davis Refinery
August 24, 2017 Conference Call (Summary)
ND Dept. of Health / EPA Region 8 / National Park Service

I. Introductions (All)

Participants included:

National Park Service: Don Shepherd, Kirsten King, Wendy Ross and Chad Sexton

EPA Region 8: Rebecca Matichuk, Gail Fallon, Patrick Wauters and DJ Law

ND Dept. of Health (NDDH): Terry O'Clair, David Stroh, Rheanna Kautzman and Craig Thorstenson

- David Stroh (dstroh@nd.gov) is the lead NDDH reviewer for the Meridian Project.
- Rheanna "Ray" Kautzman (rkautzman@nd.gov) is the lead NDDH modeler for the Meridian project.
- The phone number for all NDDH staff is 701-328-5188.

II. Follow-up on Discussion Items from 7/19/17 Call (All)

- Visibility and deposition modeling (NPS comment): The NDDH has reviewed the permit application and found that the application includes an assessment of plume blight but not haze. No VISCREEN modeling is included. NDDH plans to look into VISCREEN modeling. NPS may do CALPUFF modeling.
- Appendix W (EPA comment): EPA has talked to OAQPS and the transition date for implementation of the 2017 App. W is January 2018. OAQPS encourages using the 2017 App. W due to the additional flexibility it provides. EPA also recommends using the 2017 App. W. NDDH plans to run the models using both the 2005 and 2017 App. W.
- Catalytic reformer design (EPA comment): Meridian has responded to this issue (information is on-line). EPA Region 8 will review.
- VOC uncontrolled emissions calculations (EPA comment): Meridian has responded to this issue (information is on-line). It appears that Meridian made a calculation error and overestimated uncontrolled emissions.
- SSM limits (EPA question): NDDH is still reviewing. EPA reiterated during the call that an accurate estimate of SSM emissions is important since emissions are close to the major source level.
- Fence line monitoring (EPA question): Meridian has agreed to fence line monitoring (information is on-line). Specific details of the fence line monitoring have not been worked out yet.
- LDAR requirements (EPA question): NDDH will require a high-level LDAR program with a 500 ppm leak definition. Optical gas imaging will also be required; however, specific details (frequency, etc.) have not been worked out.
- Title V applicability (EPA question): NDDH agrees that it does appear that a Title V permit will be required based on NSPS and/or MACT standards that are applicable which do not specifically exempt the facility from the Title V permit requirement.
- Crude unloading / product loading (EPA question): NDDH will address this issue during our review.

III. New Discussion Items (All)

- The NPS noticed that the Meridian application uses different refinery fuel gas Btu/lb values for different process units. The NDDH will review.

IV. Path Forward

- Status of Application Review (NDDH)
 - o NDDH is moving ahead with review of the application.
 - o Next conference call is scheduled for September 21st at 1:30 MT / 2:30 CT.